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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/520,233	01/04/2005	Yusuke Nagata	100894-15 (KGB)	5102
27384	7590	06/18/2007	EXAMINER	
NORRIS, MC LAUGHLIN & MARCUS, PA			SAVAGE, MATTHEW O	
875 THIRD AVENUE			ART UNIT	PAPER NUMBER
18TH FLOOR			1724	
NEW YORK, NY 10022				

MAIL DATE	DELIVERY MODE
06/18/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/520,233	NAGATA ET AL.	
	Examiner	Art Unit	
	Matthew O. Savage	1724	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 18 May 2007.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-13 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date 1-4-05.
- 4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____
- 5) Notice of Informal Patent Application
- 6) Other: _____

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-13 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

On lines 1-2 of claim 1, "said strongly acidic cation-exchange resin" lacks antecedent basis. It is suggested that "a acidic cation-exchange resin" on line 1 of claim 1 and "a cation-exchange resin" on line 1 of claims 2-8 be changed to --a strongly acidic cation-exchange resin--.

On line 2 of claim 8, it is unclear as to whether or not the performance of "a cation-exchange resin" is the same resin as specified on line 1 of the claim. It is suggested that "a cation-exchange resin" be changed to --said strongly acidic cation-exchange resin--.

On lines 2-3 of claim 9, it is unclear as to whether or not "a strongly acidic cation-exchange resin" is the same as "a cation-exchange resin" recited on line 2. It is suggested that "a cation-exchange resin" be changed to --a strongly acidic cation-exchange resin--, and that "a strongly acidic cation-exchange resin" be changed to -- said strongly acidic cation-exchange resin--.

On lines 3-5 of claim 10 and line 3 of claim 12, "said cation-exchange resin" lacks antecedent basis. It is suggested that "said cation-exchange resin" be changed to --said strongly acidic cation-exchange resin--.

On line 2 of claim 13, it is unclear as to whether or not "a cation-exchange resin" is the same as that recited in claim 9, it is suggested that "a cation-exchange resin" be changed to --said strongly acidic cation-exchange resin--.

Claims 1-13 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

JP 09-210977 to Haruko is considered the closest prior art, however, the reference fails to teach or suggest the step of evaluating a performance of the cation-exchange resin based on a relationship of each molecular weight range with an amount of the polystyrenesulfonic acid eluted in each molecular weight range as recited in claims 1 and 9.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

JP 2001-228134A to Kenmochi et al disclose using an amount of polystyrene sulfonic acid to determine the degree of deterioration of a cation exchange resin.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Matthew O. Savage whose telephone number is (571) 272-1146. The examiner can normally be reached on Monday-Friday, 7:00am-3:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duane Smith can be reached on (571) 272-1166. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Matthew O. Savage
Matthew O Savage
Primary Examiner
Art Unit 1724

mos